

OMRON Low Signal Relays

RoHS Compliant This product is RoHS compliant.



OMRON G6A SERIES: 3A DPDT LOW SIGNAL RELAYS

Specifications:

- Contact material: G6A-234P AgPd (Au clad)
G6A-274P Ag (Au clad)
- Max. resistive switching capacity: 125VAC / 60W
- Minimum permissible load: 10µA @ 10mVDC
- * BABT approved

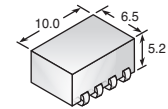
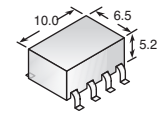
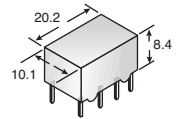
Features:

- Unique moving magnet armature (Moving Loop System) reduces relay size, magnetic interference, and contact bounce time.
- Due to low magnetic leakage, units can be mounted side by side.
- Fully sealed construction



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Type	Rated Current (mA)	Coil Resistance (Ω)	Coil Voltage (VDC)	Price Each			
							1	25	50	100
Non-Latching Coil, Rated Load 0.3A @ 125VAC/1A @ 30VDC										
653-G6A-234P-DC3	G6A-234P-ST-US-DC3	A1	Standard	66.7	45.0	3	4.77	4.05	3.64	3.21
* 653-G6A-234PBS-DC5	G6A-234P-BS-DC5	A1	Standard	40.0	125.0	5	6.80	6.54	5.64	5.21
653-G6A-234P-DC5	G6A-234P-ST-US-DC5	A1	Standard	40.0	125.0	5	4.10	3.83	3.67	3.46
653-G6A-234P-DC12	G6A-234P-ST-US-DC12	A1	Standard	16.7	720.0	12	5.64	4.31	4.17	4.03
653-G6A-234P-DC24	G6A-234P-ST-US-DC24	A1	Standard	8.3	2880.0	24	4.18	3.92	3.74	3.57
653-G6A-234P-DC48	G6A-234P-ST-US-DC48	A1	Standard	4.9	9750.0	48	5.35	5.09	4.86	4.45
653-G6A-234P-ST-DC5	G6A-234P-ST15-US-DC5	A1	High-Sensitivity	30.0	167.0	5	4.63	4.38	3.89	3.66
653-G6A-234P-ST40	G6A-234P-ST40-USDC12	A1	Low-Sensitivity	133.3	22.5	12	4.14	3.92	3.48	3.13
Non-Latching Coil, Rated Load 0.5A @ 125VAC/2A @ 30VDC										
653-G6A-274P-DC5	G6A-274P-ST-US-DC5	A1	Standard	40.0	125.0	5	4.66	4.38	4.14	3.95
653-G6A-274P-DC6	G6A-274P-ST-US-DC6	A1	Standard	33.3	180.0	6	3.66	3.49	3.22	3.08
653-G6A-274P-DC12	G6A-274P-ST-US-DC12	A1	Standard	16.7	720.0	12	4.47	4.27	4.13	3.93
653-G6A-274P-DC24	G6A-274P-ST-US-DC24	A1	Standard	8.3	2880.0	24	4.39	4.11	3.93	3.79
653-G6A-274P-DC48	G6A-274P-ST-US-DC48	A1	Standard	4.9	9750.0	48	5.70	5.22	5.02	4.65
653-G6A-274P40-DC5	G6A-274P-ST40-US-DC5	A1	Low-Sensitivity	80.0	62.5	5	3.83	3.66	3.37	3.23
653-G6A-274P40-DC9	G6A-274P-ST40-US-DC9	A1	Low-Sensitivity	44.3	203.9	9	3.53	3.36	3.10	2.97
653-G6A-274P40-DC12	G6A-274P-ST40-US-DC12	A1	Low-Sensitivity	33.3	360.0	12	3.87	3.60	3.20	2.89
653-G6A-274P40-DC24	G6A-274P-ST40-US-DC24	A1	Low-Sensitivity	16.7	1440.0	24	4.25	4.05	3.80	3.62
653-G6A-274P40-DC48	G6A-274P-ST40-US-DC48	A1	Low-Sensitivity	8.3	5760.0	48	4.85	4.62	4.34	4.12
Latching Coil, Rated Load 0.3A @ 125VAC/1A @ 30VDC										
653-G6AK-234P-DC5	G6AK-234P-ST-US-DC5	A2	Standard	36.0	139.0	5	6.80	6.35	5.98	5.38
653-G6AK-234P-DC12	G6AK-234P-ST-US-DC12	A2	Standard	15.0	800.0	12	6.08	5.79	5.35	5.12
653-G6AK-234P-DC24	G6AK-234P-ST-US-DC24	A2	Standard	7.5	3200.0	24	6.00	5.65	5.43	5.03
Latching Coil, Rated Load 0.5A @ 125VAC/2A @ 30VDC										
653-G6AK-274P-DC5	G6AK-274P-ST-US-DC5	A2	Standard	36.0	139.0	5	6.75	6.22	5.74	5.50
653-G6AK-274P-DC12	G6AK-274P-ST-US-DC12	A2	Standard	15.0	800.0	12	6.53	6.22	5.74	5.50
653-G6AK-274P-DC24	G6AK-274P-ST-US-DC24	A2	Standard	7.5	3200.0	24	6.53	6.22	5.74	5.38



OMRON G6K SERIES: 1A DPDT ULTRA-SMALL LOW SIGNAL RELAYS

Specifications:

- Rated load: 0.3A @ 125VA / 1A @ 30VDC
- Contact material: Ag (Au clad)
- Max. resistive switching capacity: 37.5VA / 30W
- Minimum permissible load: 10µA @ 10mVDC
- * Tape and reel packaging; Full reel size is 1800

Features:

- Compact fourth generation design offers excellent board space savings.
- "-Y" models meet 2.5kV Bellcore surge requirements.
- Conforms to FCC Part 68



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Rated Current (mA)	Coil Resistance (Ω)	Coil Voltage (VDC)	Price Each				
						1	25	50	100	
SMT Gull-Wing, Non-Latching, 2.5mm Coil-Contact Terminal Spacing										
653-G6K-2FDC3	G6K-2F-DC3	B3	33.0	91	3	3.27	3.00	2.74	2.50	
653-G6K-2F-DC4.5	G6K-2F-DC4.5	B3	23.2	194	4.5	4.11	3.12	3.01	2.91	
653-G6K-2F-DC5	G6K-2F-DC5	B3	21.1	237	5	3.81	3.58	3.40	3.21	
653-G6K-2F-DC12	G6K-2F-DC12	B3	9.1	1315	12	4.04	3.07	2.96	2.86	
* 653-G6K-2F-TRDC12	G6K-2F-TRDC12	B3	9.1	1315	12	3.31	3.13	2.78	2.51	
653-G6K-2F-DC24	G6K-2F-DC24	B3	4.6	5220	24	3.81	3.58	3.40	3.21	
SMT Gull-Wing, Non-Latching, 3.2mm Coil-Contact Terminal Spacing										
653-G6K-2F-Y-DC3	G6K-2F-Y-DC3	B3	33.0	91	3	3.59	3.18	2.96	2.86	
653-G6K-2F-Y-DC4.5	G6K-2F-Y-DC4.5	B3	23.2	194	4.5	4.47	4.02	3.57	3.21	
653-G6K-2F-Y-DC5	G6K-2F-Y-DC5	B3	21.1	237	5	3.81	3.58	3.40	3.21	
* 653-G6K-2F-Y-TRDC5	G6K-2F-Y-TRDC5	B3	21.1	237	5	3.31	3.13	2.78	2.51	
653-G6K-2F-Y-DC12	G6K-2F-Y-DC12	B3	9.1	1315	12	3.81	3.58	3.40	3.21	
* 653-G6K-2F-Y-TRDC12	G6K-2F-Y-TRDC12	B3	9.1	1315	12	3.49	3.37	3.08	2.87	
653-G6K-2F-Y-DC24	G6K-2F-Y-DC24	B3	4.6	5220	24	2.50	2.42	2.40	2.32	
* 653-G6K-2F-Y-TRDC24	G6K-2F-Y-TRDC24	B3	4.6	5220	24	3.74	3.62	3.55	3.33	
SMT Inside "L", Non-Latching, 2.54mm Coil-Contact Terminal Spacing										
653-G6K-2G-DC5	G6K-2G-DC5	C3	21.1	237	5	4.07	3.14	3.03	2.93	
* 653-G6K-2G-TRDC5	G6K-2G-TRDC5	C3	21.1	237	5	3.31	3.13	2.78	2.51	
653-G6K-2G-DC12	G6K-2G-DC12	C3	9.1	1315	12	4.11	3.29	3.01	2.91	
* 653-G6K-2G-TRDC12	G6K-2G-TRDC12	C3	9.1	1315	12	3.48	3.13	2.96	2.78	
SMT Inside "L", Non-Latching, 3.2mm Coil-Contact Terminal Spacing										
653-G6K-2G-Y-DC3	G6K-2G-Y-DC3	C3	33.0	91	3	3.86	3.47	2.83	2.70	
653-G6K-2G-Y-DC4.5	G6K-2G-Y-DC4.5	C3	23.2	194	4.5	3.81	3.58	3.40	3.21	
653-G6K-2G-Y-DC5	G6K-2G-Y-DC5	C3	21.1	237	5	4.11	3.12	3.01	2.91	
653-G6K-2G-Y-DC12	G6K-2G-Y-DC12	C3	9.1	1315	12	4.47	4.02	3.57	3.21	
653-G6K-2G-Y-DC24	G6K-2G-Y-DC24	C3	4.6	5220	24	3.81	3.58	3.40	3.21	
PCB Thru-Hole, Non-Latching, 2.5mm Coil-Contact Terminal Spacing										
653-G6K-2P-DC4.5	G6K-2P-DC4.5	D3	23.2	194	4.5	2.96	2.78	2.63	2.47	
653-G6K-2P-DC5	G6K-2P-DC5	D3	21.1	237	5	4.04	3.07	2.96	2.86	
653-G6K-2P-DC12	G6K-2P-DC12	D3	9.1	1315	12	4.04	3.07	2.96	2.86	
653-G6K-2P-DC24	G6K-2P-DC24	D3	4.6	5220	24	3.81	3.58	3.37	3.05	
PCB Thru-Hole, Non-Latching, 3.2mm Coil-Contact Terminal Spacing										
653-G6K-2P-Y-DC3	G6K-2P-Y-DC3	D3	33.0	91	3	3.01	2.83	2.68	2.45	
653-G6K-2P-Y-DC4.5	G6K-2P-Y-DC4.5	D3	23.2	194	4.5	4.04	3.17	2.96	2.86	
653-G6K-2P-Y-DC5	G6K-2P-Y-DC5	D3	21.1	237	5	3.48	3.29	3.04	2.75	
653-G6K-2P-Y-DC12	G6K-2P-Y-DC12	D3	9.1	1315	12	4.11	3.37	3.19	3.01	
653-G6K-2P-Y-DC24	G6K-2P-Y-DC24	D3	4.6	5220	24	3.81	3.58	3.40	3.21	
SMT Gull-Wing, Single Coil Latching, 3.2mm Coil-Contact Terminal Spacing										
653-G6KU-2F-YDC3	G6KU-2F-YDC3	B3	33.0	91	3	3.54	3.24	2.84	2.57	
653-G6KU-2F-Y-DC4.5	G6KU-2F-Y-DC4.5	B3	23.2	194	4.5	4.25	3.64	3.12	3.01	
653-G6KU-2F-YDC5	G6KU-2F-YDC5	B3	21.1	237	5	3.54	3.35	2.98	2.68	
SMT Inside "L", Single Coil Latching, 3.2mm Coil-Contact Terminal Spacing										
653-G6KU-2G-Y-DC5	G6KU-2G-Y-DC5	C3	21.1	237	5	4.01	3.74	3.58	3.21	
PCB Thru-Hole, Single Coil Latching, 3.2mm Coil-Contact Terminal Spacing										
653-G6KU-2P-YDC5	G6KU-2P-YDC5	D3	21.1	237	5	3.48	3.45	2.93	2.63	

DIMENSIONS: mm

A

B

C

D

TERMINAL ARRANGEMENT

1

2

3

Omron Low Signal Relays